[0005] According to an aspect, there is provided a communication apparatus comprising a receiver, which, in operation, receives configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and a transmitter, which, in operation, transmits reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells. According to an aspect, there is a communication method comprising receiving configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and transmitting reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells. According to an aspect, there is a communication apparatus comprising a transmitterr, which, in operation, transmits configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and a receiver, which, in operation, receives reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells. According to an aspect, there is a communication method comprising transmitting configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and receiving reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells. According to an aspect, there is an integrated circuit comprising reception circuitry, which, in operation, controls:
receiving configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and transmission circuitry, which, in operation, controls:transmitting reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells. According to an aspect, there is an integrated circuit transmission circuitry, which, in operation, controls transmitting configuration information for a beam failure recovery (BFR) of a group of secondary cells (SCells); and reception circuitry, which, in operation, controls: receiving reporting information based on the configuration information, the reporting information including at least one of a result of beam failure detection (BFD) of the group of SCells and new beam information of the group of SCells.
According to the present disclosure, there is provided a communication apparatus comprising a receiver, which, in operation, receives configuration information for beam failure recovery (BFR) of a plurality of SCells operating in a network, and circuitry, which, in operation, performs beam failure detection (BFD) and report based on the configuration information.

[0006] It should be noted that general or specific embodiments may be implemented as a system, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[0007] Additional benefits and advantages of the disclosed embodiments will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various

[0008] embodiments and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] The accompanying figures, where like reference numerals refer to identical or functionally similar elements throughout the separate views and which together with the detailed description below are incorporated in and form part of the specification, serve to illustrate various embodiments and to explain various principles and advantages in accordance with present embodiments.

[0010] Figure 1 shows an exemplary architecture for a 3GPP New Radio (NR) system.

[0011] Figure 2 is a schematic drawing which shows functional split between next generation - radio access network (NG-RAN) and 5G core network (5GC).